

FIG. 1

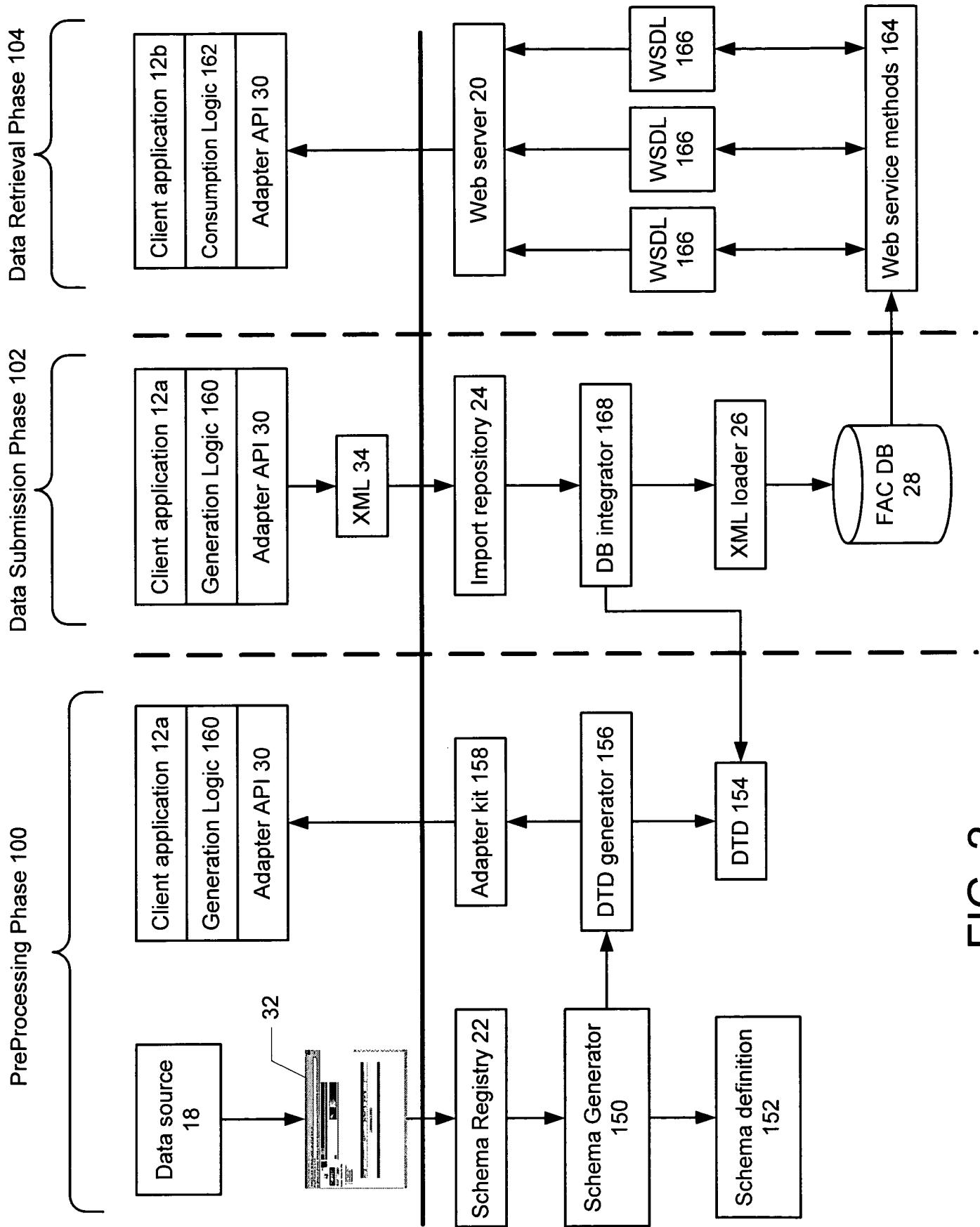
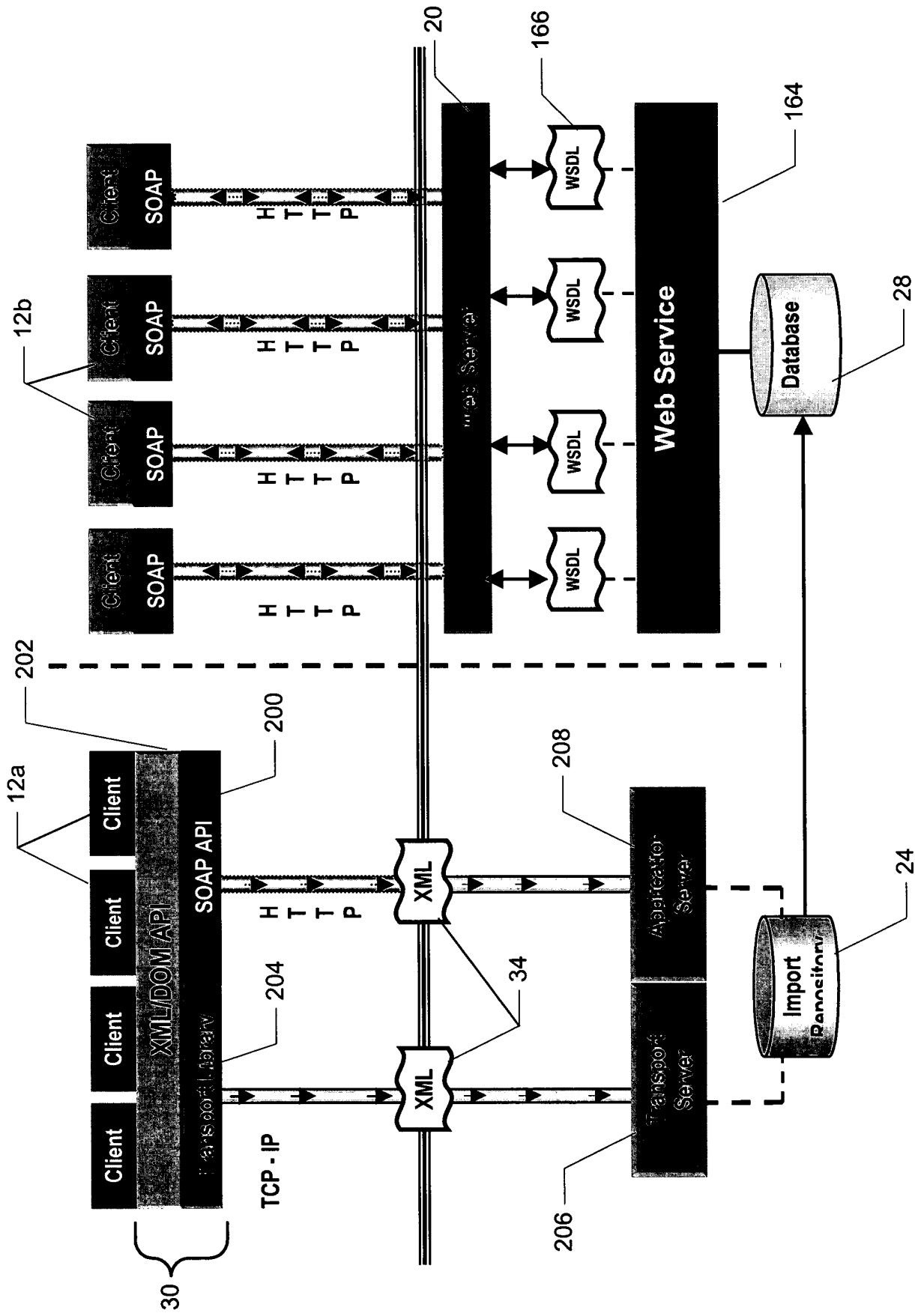
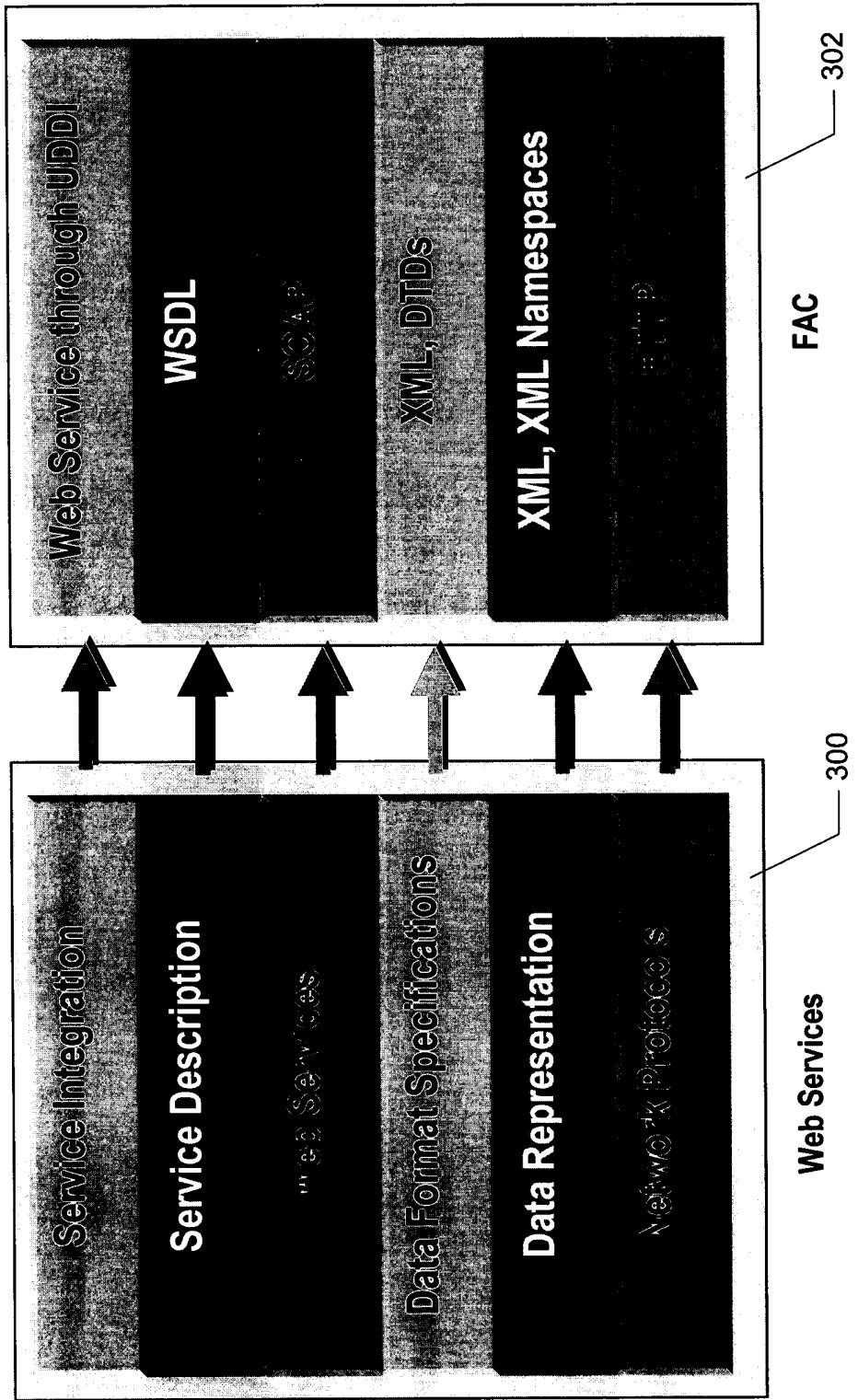


FIG. 2

FIG. 3



**FIG. 4**



### **FAC::Create Doc**

Arguments: None

Returns: Handle to Document Object

### **FAC::CreateRoot**

Arguments:

    doc - Document object

    rootName - Name of the root element

Returns: Handle to Root element object

Creates the root element object and returns a handle to the object.

### **FAC::CreateEntity**

Arguments:

    parentObj - Handle to the parent object

    elemName - Name of the new element to be created

Returns: elemObj - Handle to the created element

### **FAC::CreateAttribute**

Arguments:

    parentObj - Handle to the parent object

    attrName - Name of the new attribute to be created

    attrValue - Value of the new attribute to be created

Returns: None

### **FAC::printDoc**

Arguments:

    doc - Handle to the document object ( The one which first got created from CreateDoc)

    fileName - Name of the output file

Returns: None

## **Figure 5A**

```

package require FAC
set doc [ FAC::CreateDoc ]
set rootHandle [ FAC::CreateRoot $doc "Root" ]
FAC::CreateAttribute $rootHandle "Attr1" "Val1"
FAC::CreateAttribute $rootHandle "Attr2" "Val2"
set child1Handle [ ::FAC::CreateEntity $rootHandle "Child1" ]
FAC::CreateAttribute $child1Handle "cAttr1" "Val1"
FAC::CreateAttribute $child1Handle "cAttr2" "Val2"
set child1inst [ FAC::CreateEntity $rootHandle "Child1" ]
FAC::CreateAttribute $child1inst "cAttr1" "Val3"
FAC::CreateAttribute $child1inst "cAttr2" "Val4"
set child2Handle [ FAC::CreateEntity $rootHandle "Child2" ]
FAC::CreateAttribute $child2Handle "c2Attr2" "Val1"
FAC::CreateAttribute $child2Handle "c2Attr3" "Val2"
FAC::printDoc $doc "my.xml"

```



#### Sample Output

```

<?xml version='1.0'?>
<!DOCTYPE Root>
<Root Attr1="Val1" Attr2="Val2">
    <Child1 cAttr2="Val2" cAttr1="Val1"/> <Child1 cAttr2="Val3"
cAttr1="Val4"/>
    <Child2 c2Attr2="Val1" c2Attr3="Val2"/>
</Root>

```

**Figure 5B**